

U.S. Patent Application Serial No. 10/565,156
Response to OA dated November 14, 2008

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently amended): A probe comprising:

an almost rectilinear contact part which can come in contact with a electrode of an object to be measured almost perpendicularly, a tip end of the contact part being adapted to scrub the electrode; and

a base end continued to the contact part,

characterized in that said contact part comprises:

a base part with the tip end being formed of a first material having a first thermal expansion coefficient and including a tip end, the tip end being adapted to contact an electrode of an object to be measured almost perpendicularly and scrub the electrode, and

an almost rectilinear junction part which is formed of a second material having a second thermal expansion coefficient different from that of the first material and provided integrally and longitudinally along a widthwise end of the base part exclusive of the tip end,

and in that said contact part is deformed in a direction almost perpendicular to the longitudinal direction of said base part due to respective thermal expansion of said base part and said junction part.

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Claim 2 (Currently amended): A probe comprising:

an almost rectilinear contact part which can come in contact with a relectrode of an object to be measured almost perpendicularly, a tip end of the contact part being adapted to scrub the electrode; and

a base end continued to the contact part,

characterized in that said contact part comprises:

a base part with the tip end being formed of an elastic material and including a tip end, the tip end being adapted to contact an electrode of an object to be measured almost perpendicularly and scrub the electrode, and

a junction part which is integrally provided at a widthwise end of said base part exclusive of the tip end,

in that said junction part is formed of a shape memory alloy which can be expanded or contracted in a longitudinal direction of said base part,

and in that said contact part is deformed in a direction almost perpendicular to the longitudinal direction of said base part due to deformation of said junction part.